

Figure 1A

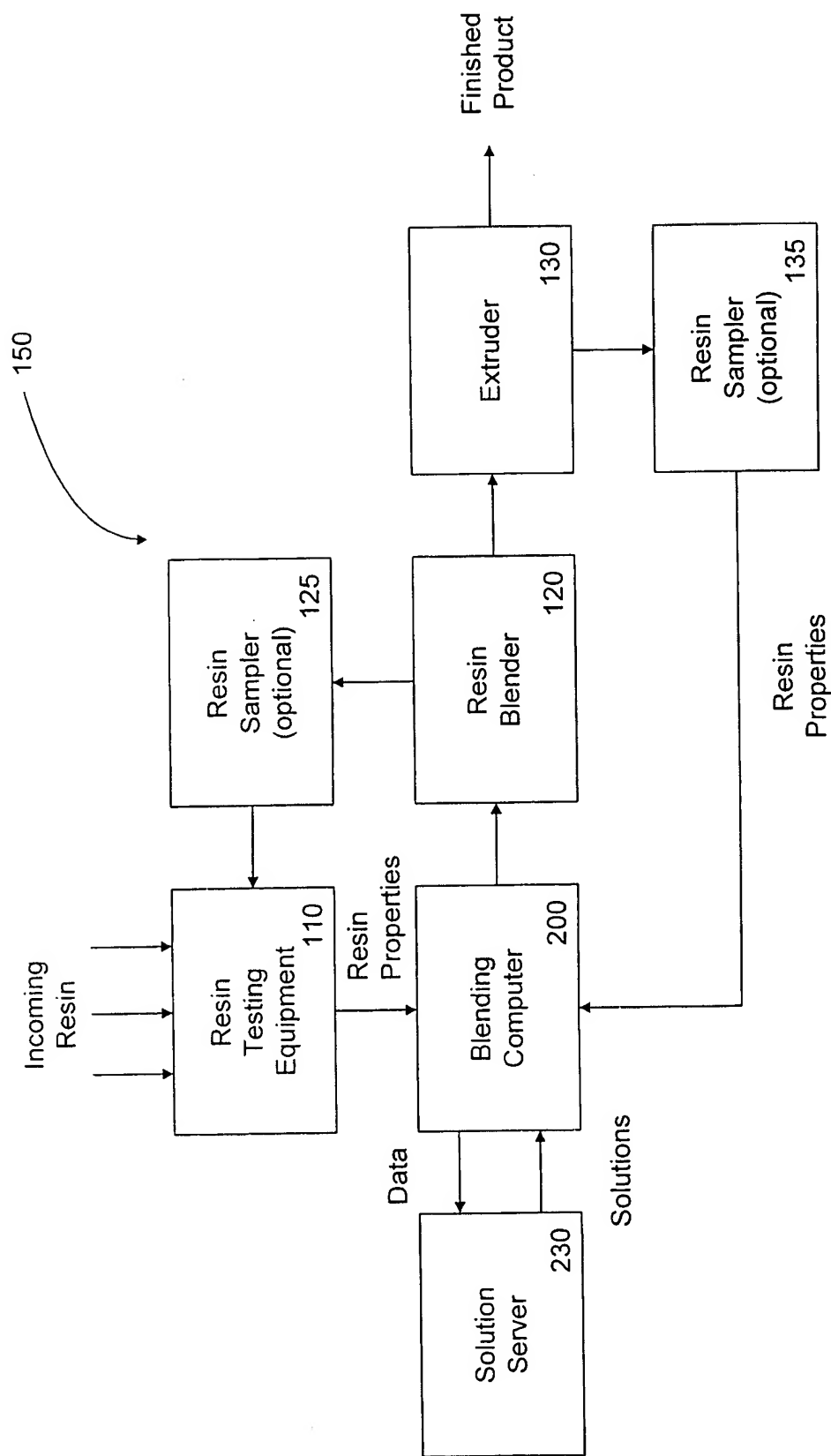


Figure 1B

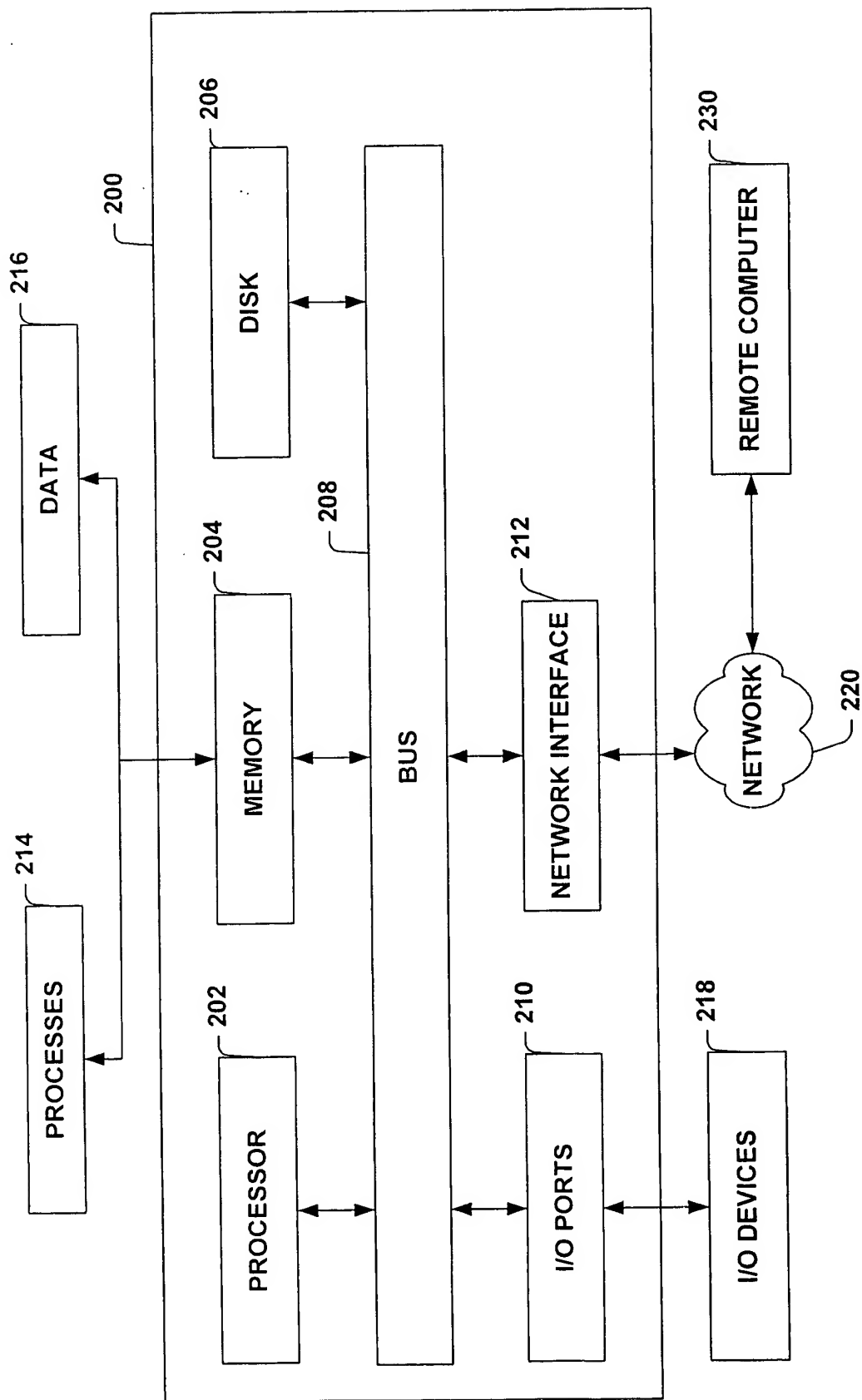


Figure 2

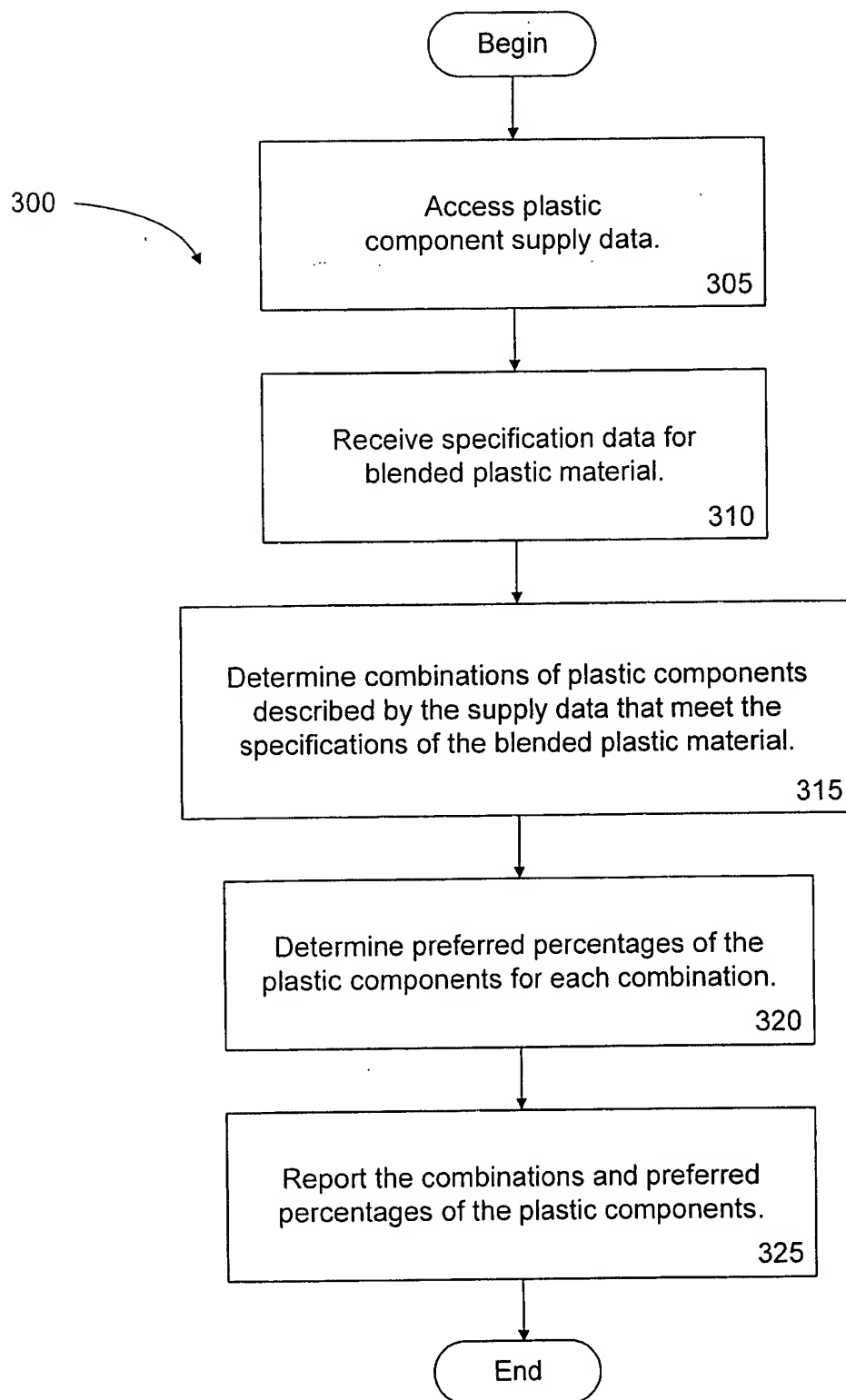


Figure 3

400

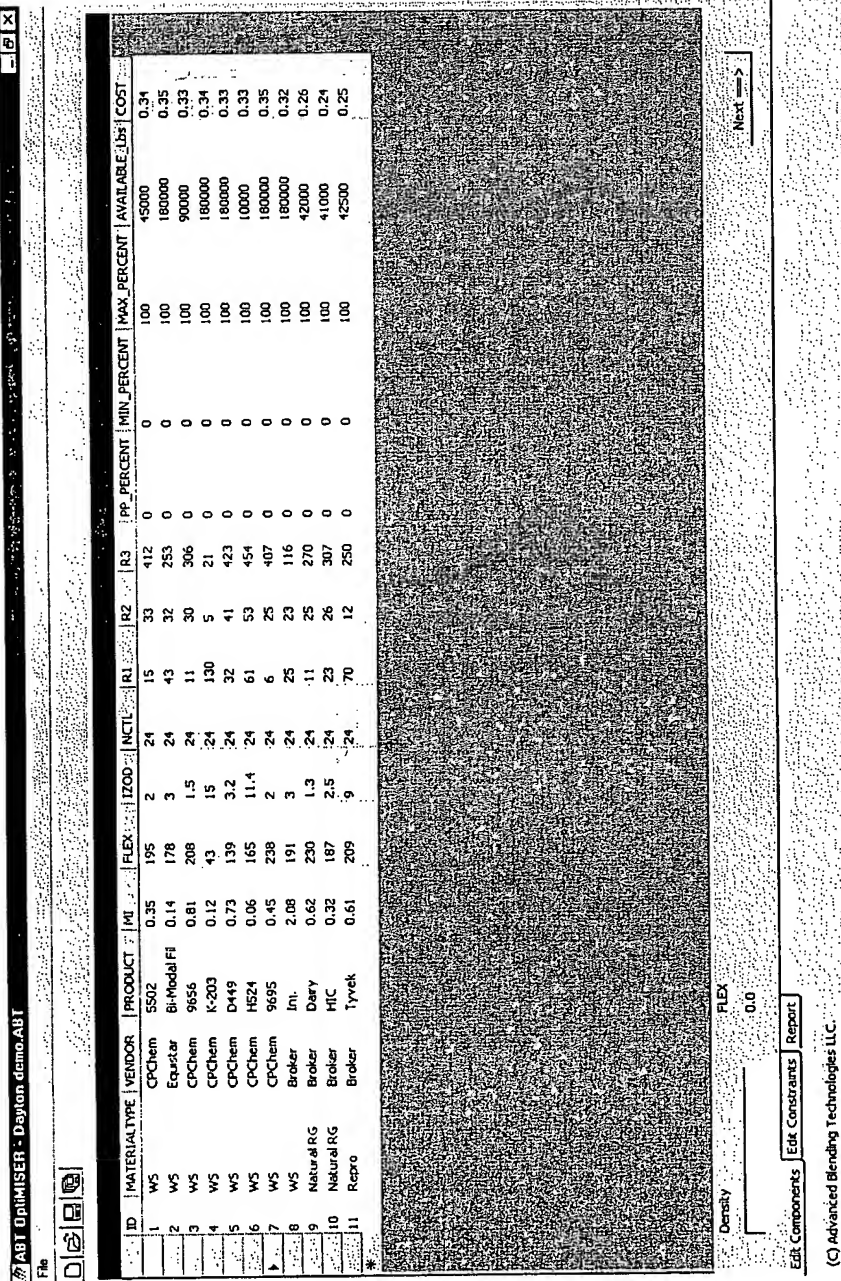


Figure 4

500

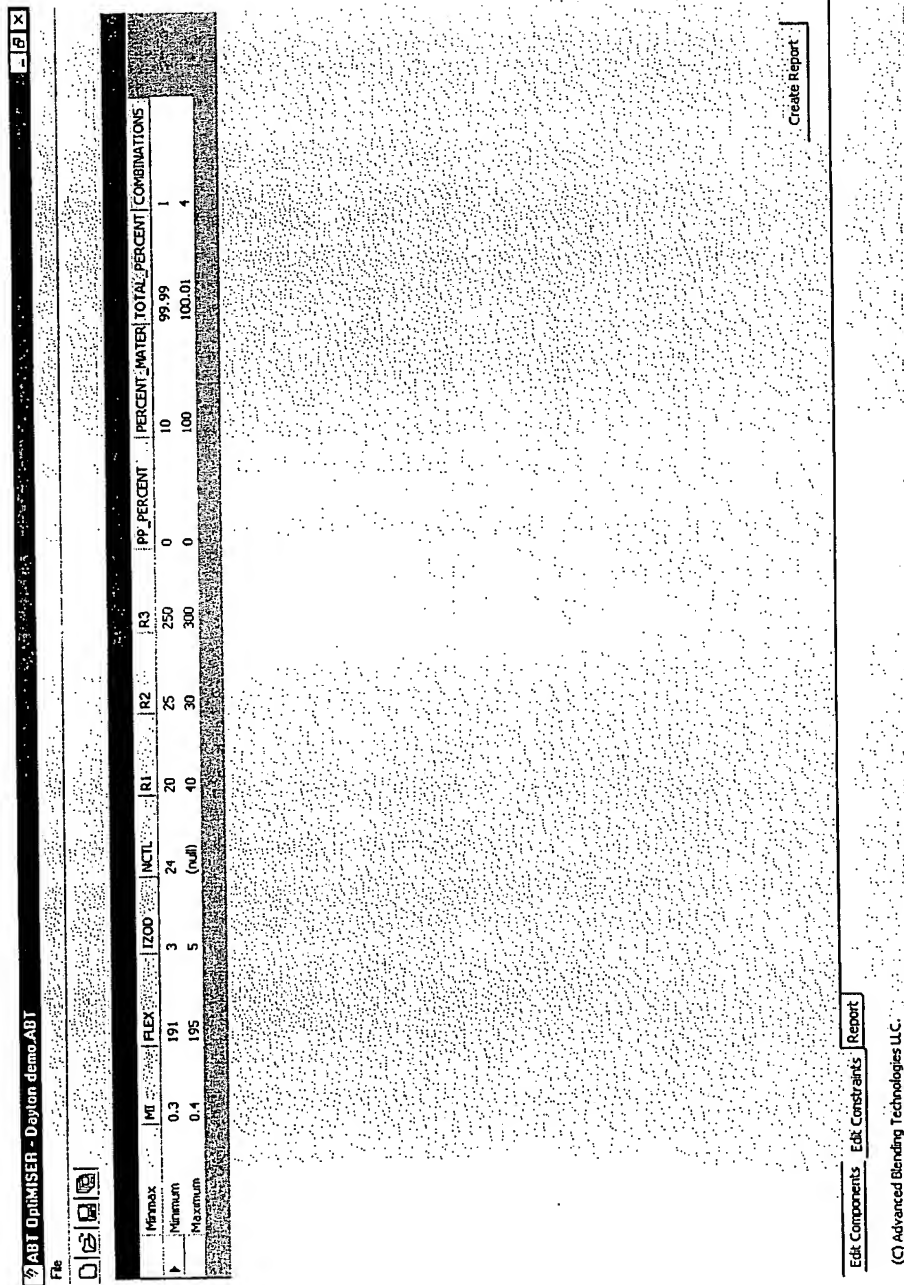


Figure 5

600

ABT Optimiser - Dayton demo.ABT

File

Solution Components

SolventID	MI	FLEX	DENSITY	IZOD	INCL	R1	R2	R3	PP PERCENT	COST	Lbs
1	0.346	191	0.9531	3	24	32.274	25	289.961	0	0.2664	68927
2	0.315	193	0.9534	3	24	33.892	25	281.956	0	0.2685	79887
3	0.314	194	0.9536	3.01	24	31.147	25	300	0	0.2711	69163
4	0.323	191	0.953	3.24	24	34.604	25	300	0	0.2717	79044
5	0.362	191	0.953	3	24	27.877	30	295.397	0	0.2717	58103
6	0.387	191	0.953	3	24	25.803	28.431	300	0	0.2775	69697
7	0.361	195	0.9539	3.03	24	40	25	263.33	0	0.2789	68606
8	0.344	192	0.9533	3	24	36	29.352	272.755	0	0.2904	42737
9	0.4	195	0.9539	3.25	24	40	25.941	281.643	0	0.2962	153426
10	0.3	191	0.953	3	24	37.417	27.04	287.476	0	0.2994	55053
11	0.4	195	0.9539	3.68	24	40	25.157	293.366	0	0.3121	130021
12	0.344	195	0.9539	3.63	24	40	29.303	300	0	0.3155	72315
13	0.335	195	0.9539	3.45	24	40	26.134	300	0	0.3156	143932
14	0.3	195	0.9539	3.09	24	40	26.706	263.091	0	0.3162	200763
15	0.4	194	0.9537	3.31	24	40	25.78	251.377	0	0.318	175733
16	0.347	195	0.9539	3.2	24	40	26.349	268.479	0	0.3187	168569
17	0.357	195	0.9539	3.53	24	40	25.411	250	0	0.3247	211980
18	0.4	191	0.953	3.88	24	34.631	28.071	298.248	0	0.3368	49841
19	0.4	191	0.953	3.25	24	32.567	30	252.211	0	0.3372	90355

Edt Components Edt Constraints Report

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610

Figure 6

700

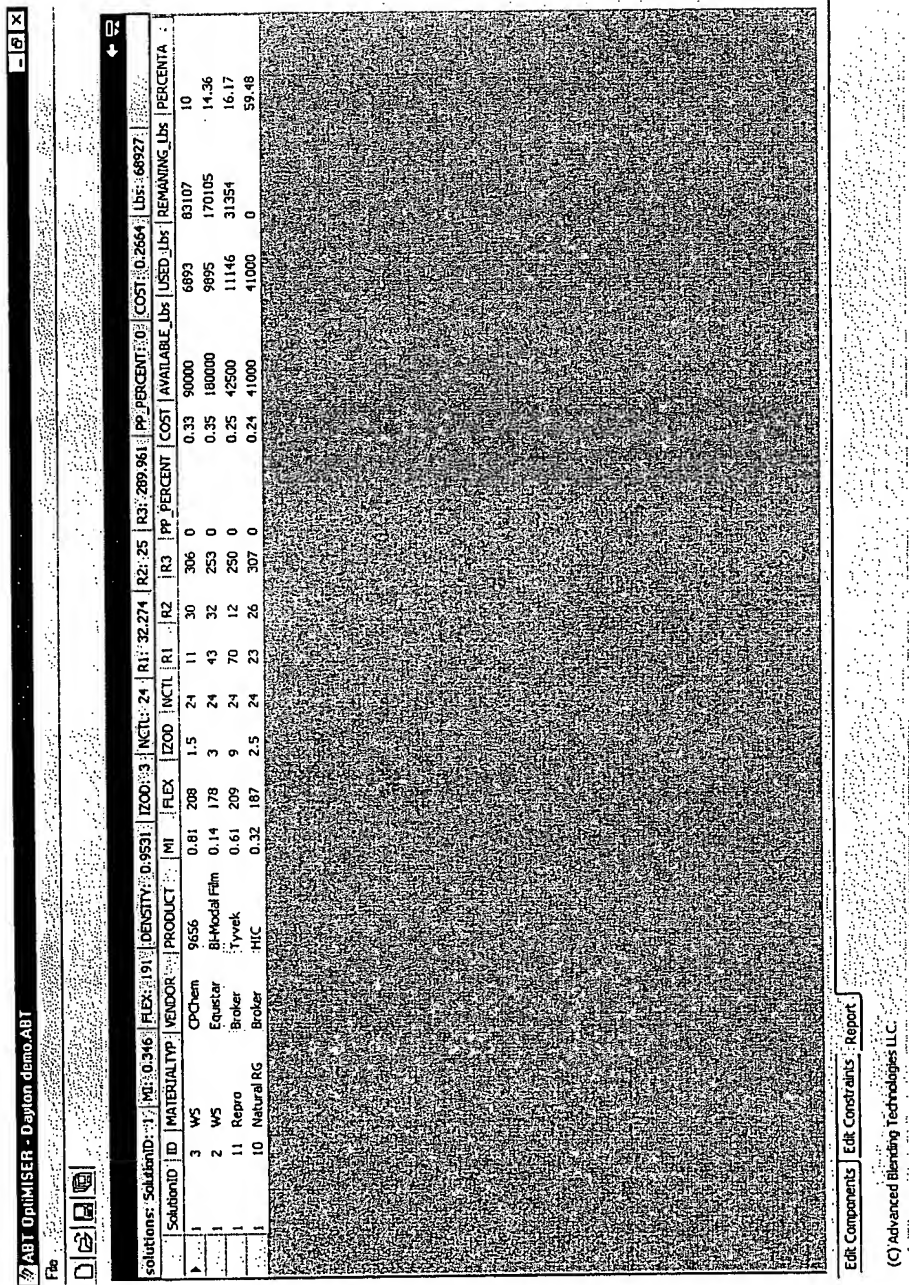


Figure 7

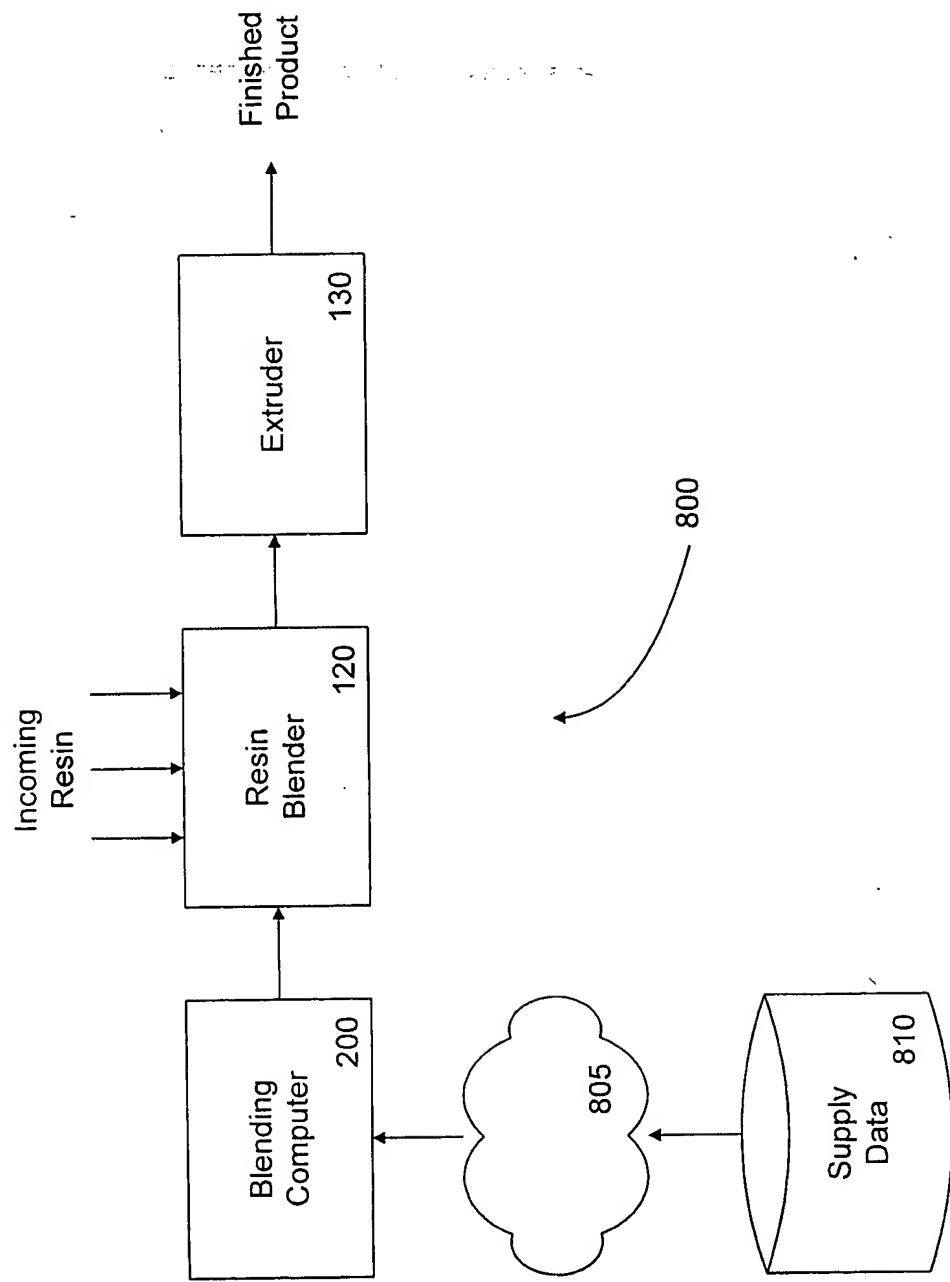


Figure 8

ID	Material Type	Vendor	Product	MI	Flex	Izod	INCTL	R1	R2	R3	PP Percent	Min Percent	Max Percent	Available lbs.	Cost
1	Prime	Equistar	4689	0.14	178	3	102	43	32	180	0	0	100	180000	0.45
2	Prime	CPChem	9656	0.46	201	2.1	27	15	30	306	0	0	100	90000	0.43
3	Prime	Exxon	249	0.34	139	3.2	25	32	41	312	0	0	100	180000	0.41

900

5905

FIGURE 9

Min/Max	MI	Flex	izod	NGTL	R1	R2	R3	PP	Percent	Percent Mat	Combinations	Select Database	Database Components
Minimum	0.3	185	2	24	20	25	175	0	10	100	3	MatWeb	1
Maximum	0.5	195	5	[null]	40	40	310	1	100	100	3		1

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FIGURE 10

Solution	MI	Flex	Izod	NCITL	R1	R2	R3	PP Percent	Gost	Blend Pounds
1	0.39	188	2.7	32	33.5	37.5	226	0	0.404	225028
2	0.347	185	2.8	37	36.3	37.7	214	0	0.406	225028
3	0.358	191	2.7	37	34.6	36.6	213	0	0.408	225028
4	0.382	185	2.4	30	21.5	32.6	295	0	0.427	132498

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Report

Report Detail

Edit Components

Edit Constraints

FIGURE 11

Solution, 1																		
ID	Material Type	Vendor	Product	MI	Flex	Uzod	NC	T/L	R1	R2	R3	PP	Percent	Cost	Available Lbs	Used Lbs	Remaining Lbs	Percentage
2	Prime	CPCChem	9656	0.46	201	2.1	27	15	30	306	0	0	0	0.43	90000	22503	67497	10
1	Prime	Exxon	249	0.34	139	3.2	25	32	41	312	0	0	0	0.41	180000	22503	157497	10
A	WebBuy	Formosa	3452	0.39	192	2.7	34	36	38	206	0	0	0	0.40	180000	180000	0	80

1220

1230

Report Detail

Report

Edit Constraints

Edit Components

FIGURE 12.

1205

ID	Material Type	Vendor	Product	MI	Flex	Izod	NGTIL	R1	R2	R3	PP Percent	Min Percent	Max Percent	Available Lbs.	Cost
1	Prime	Equistar	4689	0.14	178	3	102	43	32	180	0	0	100	180000	0.45
2	Prime	CPCChem	9656	0.46	201	2.1	27	15	30	306	0	0	100	90000	0.43
3	Prime	Exxon	249.73	0.34	139	3.2	25	32	41	312	0	0	100	180000	0.41

Edit Components
Edit Constraints
Component to Cost
Report
Report Detail

1300

FIGURE 13

1410

Min/Max	MI	Flex	Izod	NGTIL	R1	R2	R3	PP Percent	Percent Material	Combinations	Desired Blend Cost
Minimum	0.3	185	2	24	20	25	175	0	10	3	0.4275
Maximum	0.5	195	5	[null]	40	40	310	1	100	3	

Edit Components

Edit Constraints

Component to Cost

Report

Report Detail

A

1400

FIGURE 14

ID	Material Type	Vendor	Product	MI	Flex	Izod	NC TL	R1	R2	R3	PP Percent	Min Percent	Max Percent	Available Lbs.
2A	Prime	Dow	5109	0.31	189	2	88	32	37	183	0	0	100	180000

1500

A

FIGURE 15

Solution	MI	Flex	Izod	NCTL	R1	R2	R3	PP/Percent	Cost	Blend/Pounds
1	0.3	189	2.1	78	35.8	35.7	197	0	0.4275	230221

1600

FIGURE 16

1710

ID	Material Type	Vendor	Product	MI	Flex	Izod	NCT	R1	R2	R3	PP Percent	Cost	Available Lbs	Used Lbs	Remaining Lbs	Percentage
2A	Prime	Dow	5109	0.31	189	2	88	32	37	183	0	0.424	180000	180000	0	78.2
1	Prime	Equistar	4689	0.14	178	3	102	43	32	180	0	0.450	180000	23022	156978	10.0
2	Prime	CPChem	9656	0.46	201	2.1	27	15	30	306	0	0.430	90000	27176	62824	11.8

Edit Components Edit Constraints Component to Cost Report Report Detail

1700

FIGURE 17